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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A semiconductor device comprising:

a flexible semiconductor chip including having an element forming region where a semiconductor element is formed and an element non-forming region where a semiconductor element is not formed, each of the element forming region and the element non-forming region being provided on a front surface of a silicon substrate, comprising

a groove formed in a portion of a rear surface of said <u>silicon</u> substrate corresponding to said element non-forming region, wherein said groove does not extend all the way through the <u>silicon</u> substrate, so that the <u>semiconductor chip is flexible</u>.

- 2. (Original) The semiconductor device of claim 1, wherein a plurality of said grooves are formed.
- 3. (Original) The semiconductor device of claim 2, wherein said grooves are formed parallel to each other.
- 4. (Currently amended) A semiconductor device having an element forming region where a semiconductor element is formed and an element non-forming region where a semiconductor element is not formed, on a front surface of a silicon substrate, comprising:

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a plurality of grooves formed in a rear surface of said substrate corresponding to said element non-forming region; and

The semiconductor device of claim 2, wherein said grooves are formed to extend in directions crossing each other.

- 5. (Original) The semiconductor device of claim 4, wherein said grooves are formed to extend in directions which cross substantially perpendicular to each other.
- 6. (Original) The semiconductor device of claim 4, wherein said grooves are formed to extend in three different directions.
- 7. (Original) The semiconductor device of claim 1, wherein said groove has a substantially uniform width from a bottom portion to an opening portion of said groove.
- 8. (Original) The semiconductor device of claim 1, wherein said groove has a wider width in an opening portion than in a bottom portion of said groove.
- 9. (Original) The semiconductor device of claim 1, wherein said groove has a bottom portion with a curved surface.
- 10. (Original) The semiconductor device of claim 1, wherein said groove is filled with a material softer than said silicon substrate.

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11. (Original) The semiconductor device of claim 1, wherein the rear surface of said

silicon substrate is coated with a material softer than said silicon substrate.

12. (Original) The semiconductor device of claim 1, wherein a plurality of said element

forming regions are isolated from each other, and said element non-forming region is a region

sandwiched between said element forming regions.

13. (Currently amended) A semiconductor device module comprising

a semiconductor device bonded to a bonding substrate, wherein said semiconductor

device has an element forming region where a semiconductor element is formed and an element

non-forming region where a semiconductor element is not formed, on a front surface of a silicon

substrate, and a groove formed in a portion of a rear surface of said silicon substrate

corresponding to said element non-forming region; and

wherein said bonding substrate is curved.

14-25. (Canceled)

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